Discrete Algorithms Seminar

List of Presentations

Spring 2007 Semester – Fall 2011 Semester

Conferences

- SODA

1. "An Optimal Online Algorithm for Packet Scheduling with Agreeable Deadlines," Fei Li, Jay Sethuraman and Clifford Stein, SODA 2005: 801–802, (Fall 2007).
2. "Improved Recommendation systems," Baruch Awerbuch, Boaz Patt-Shamir, David Peleg, and Mark Tuttle, SODA 2005: 1174–1183, (Fall 2007).
3. "Overhang," Mike Paterson and Uri Zwick, SODA 2006: 231–240, (Spring 2009).
4. "On the Tandem Duplication-Random Loss Model of Genome Rearrangement," Kamalika Chaudhuri, Kevin Chen, Radu Mihaescu, and Satish Rao, SODA 2006: 564–570, (Fall 2008).
5. "Knapsack Auctions," Gagan Aggarwal and Jason D. Hartline, SODA 2006: 1083–1092, (Fall 2010).
6. "Better Online Buffer Management," Fei Li, Jay Sethuraman, and Clifford Stein, SODA 2007: 199–208, (Fall 2007).
7. "Pull-Based Data Broadcast with Dependencies: Be Fair to Users, not to Items," Julien Robert and Nicolas Schabanel, SODA 2007: 238–247, (Spring 2007).
8. "A 1.875-Approximation Algorithm for the Stable Marriage Problem," Kazuo Iwama, Shuichi Miyazaki, and Naoya Yamauchi, SODA 2007: 288–297, (Spring 2007).
9. "Aggregation of Partial Rankings, p-Ratings, and Top-m Lists," Nir Ailon, SODA 2007: 415–424, (Spring 2007).
10. "Digraph Measures: Kelly Decompositions, Games, and Orderings," Paul Hunter and Stephan Kreutzer, SODA 2007: 637–644, (Fall 2007).
11. "Approximating the Spanning Star Forest Problem and Its Applications to Genomic Sequence Alignment," C. Thach Nguyen, Jian Shen, Minmei Hou, Li Sheng, and Webb Miller, SODA 2007: 645–654, (Fall 2007).
12. "Whole Genome Duplications, Multi- Break Rearrangements, and the Genome Halving Problem," Max A. Alekseyev, Pavel A. Pevzne, SODA 2007: 665–679, (Spring 2007).
13. "A Network Formation Game for Bipartite Exchange Economies," Eyal Even-Dar, Michael J. Kearns, and Siddharth Suri, SODA 2007: 697–706, (Spring 2007).
14. "Cheap Labor Can Be Expensive," Ning Chen and Anna R. Karlin, SODA 2007: 707–715, (Fall 2007).
15. "Speed Scaling for Weighted Flow Time," Nikhil Bansal, Kirk Pruhs, and Clifford Stein, SODA 2007: 805–813, (Spring 2007).
16. "A Lower Bound for Scheduling Mechanisms," George Christodoulou, Elias Koutsoupias, and Angelina Vidali, SODA 2007: 1163–1170, (Spring 2007).
17. "Yet Another Algorithm for Dense Max-Cut: Go Greedy," Claire Mathieu and Warren Schudy, SODA 2008: 176–182, (Spring 2008).

18. "Fast and Reliable Reconstruction of Phylogenetic Trees with Very Short Edges," Ilan Gronau, Shlomo Moran, and Sagi Snir, SODA 2008: 379–388, (Spring 2008).
19. "Broadcast Scheduling: Algorithms and Complexity," Jessica Chang, Thomas Erlebach, Renars Gailis, and Samir Khuller, SODA 2008: 473–482, (Fall 2008).
20. "Graph Balancing: A Special Case of Scheduling Unrelated Parallel Machines," Tomas Ebenlendr, Marek Krcal, and Jiri Sgall, SODA 2008: 483–490, (Spring 2008).
21. "On Clustering to Minimize the Sum of Radii," Matt Gibson, Gaurav Kanade, Erik Krohn, Imran A. Pirwani, and Kasturi Varadarajan, SODA 2008: 819–825, (Spring 2010).
22. "Stochastic Analysis for Online Combinatorial Optimization Problems," Naveen Garg, Anupam Gupta, Stefano Leonardi, and Piotr Sankowski, SODA 2008: 942–951, (Fall 2008).
23. "Better Bounds for Online Load Balancing on Unrelated Machines," Ioannis Caragiannis, SODA 2008: 972–981, (Spring 2008).
24. "Online Budgeted Matching in Random Input models with Applications to Adwords, " Gagan Goel and Aranyak Mehta, SODA 2008: 982–991, (Spring 2009).
25. "Real-Time Indexing over Fixed Finite Alphabets," Amihood Amir and Igor Nor, SODA 2008: 1086–1095, (Fall 2008).
26. "The Hiring Problem and Lake Wobegon Strategies," Andrei Z. Broder, Adam Kirschy, Ravi Kumarz, Michael Mitzenmacherx, Eli Upfal, and Sergei Vassilvitskiik, SODA 2008: 1184-1193, (Fall 2007).
27. "Decomposition of Multiple Coverings into More Parts," Greg Aloupis, Jean Cardinal, Sebastien Collette, Stefan Langerman, David Orden, and Pedro Ramos, SODA 2009: 302–310, (Fall 2010).
28. "Loopless Generation of Multiset Permutations using a Constant Number of Variables," Prefix Shifts," Aaron Williams, SODA 2009: 987–996, (Spring 2009).
29. "On the Approximability of Dodgson and Young Elections," Ioannis Caragiannis, Jason A. Covey, Michal Feldman, Christopher M. Homan, Christos Kaklamanis, Nikos Karanikolas, Ariel D. Procaccia, and Jeffrey S. Rosenschein, SODA 2009: 1058–1067, (Spring 2009).
30. "Pricing Randomized Allocations," Patrick Briest, Shuchi Chawla, Robert Kleinberg, and S. Matthew Weinberg, SODA 2010: 585–597, (Spring 2011).
31. "A Nearly Optimal Algorithm for Approximating Replacement Paths and k Shortest Simple Paths in General Graphs," Aaron Bernstein, SODA 2010: 742–755, (Spring 2011).
32. "An Improved Construction of Progression-Free Sets," Michael Elkin, SODA 2010: 886–905, (Fall 2009).
33. "Paired Approximation Problems and Incompatible Inapproximabilities," David Eppstein, SODA 2010: 1076–1086, (Spring 2010).
34. "Algorithms and Complexity for Periodic Real-Time Scheduling," Vincenzo Bonifaci Ho-Leung Chan Alberto Marchetti-Spaccamela Nicole Megow, SODA 2010: 1350–1359, (Spring 2010).
35. "A Constant Factor Approximation Algorithm for Generalized Min-Sum Set Cover," Nikhil Bansal, Anupam Guptay, and Ravishankar Krishnaswamy, SODA 2010: 1539–1545, (Spring 2010).
36. "On Buffon Machines and Numbers," Philippe Flajolet, Maryse Pelletier, and Michele Soria, SODA 2011: 172–183, (Spring 2011).
37. "On the Complexity of Time-Dependent Shortest Paths," Luca Foschini, John Hershberger, and Subhash Suri, SODA 2011: 327–341, (Fall 2011).
38. "Random Access to Grammar-Compressed Strings," Philip Bille, Gad Landau, Rajeev Raman, Kunihiko Sadakane, Srinivasa Rao Satti, and Oren Weimann, SODA 2011: 373–389, (Spring 2011).
39. "Welfare Guarantees for Combinatorial Auctions with Item Bidding," Kshipra Bhawalkar and Tim Roughgarden, SODA 2011: 700–709, (Spring 2011).

40. "Slightly Superexponential Parameterized Problems," Daniel Lokshtanov, Dániel Marx, and Saket Saurabh, SODA 2011: 760–776, (Fall 2010).
41. "Known Algorithms on Graphs of Bounded Treewidth are Probably Optimal," Daniel Lokshtanov, Dániel Marx, and Saket Saurabh, SODA 2011: 777–789, (Fall 2010).
42. "The stubborn problem is stubborn no more (a polynomial algorithm for 3-compatible colouring and the stubborn list partition problem)," Marek Cygan, Marcin Pilipczuk, Michal Pilipczuk, and Jakub Onufry Wojtaszczyk, SODA 2011: 1666–1674, (Spring 2011).

- ALENEX

1. "Geometric Algorithms for Optimal Airspace Design and Air Traffic Controller Workload Balancing," Amitabh Basuani, Joseph S. B. Mitchell, and Girishkumar Sabhnani, ALENEX 2008: 75–89, (Spring 2008).
2. "Better Approximation of Betweenness Centrality," Robert Geisberger, Peter Sanders, and Dominik Schultes, ALENEX 2008: 90–100, (Spring 2008).
3. "Ranking Tournaments: Local Search and a New Algorithm," Tom Coleman and Anthony Wirth, ALENEX 2008: 133–141, (Spring 2008).
4. "An Experimental Study of Recent Hotlink Assignment Algorithms," Tobias Jacobs, ALENEX 2008: 142–151, (Spring 2008).
5. "Four-Dimensional Hilbert Curves for R-Trees," Herman Haverkort and Freek van Walderveen, ALENEX 2009: 63–73, (Spring 2009).
6. "Simple and Fast Nearest Neighbor Search," Marcel Birn, Manuel Holtgrewe, and Peter Sanders, ALENEX 2010: 43–54, (Spring 2010).
7. "Employing $(1-\varepsilon)$ Dominating Set Partitions as Backbones in Wireless Sensor Networks," Dhia Mahjoub and David W. Matula, ALENEX 2010: 98–111, (Spring 2010).
8. "Budgeted Maximum Coverage with Overlapping Costs: Monitoring the Emerging Infections," Donald E. Curtis, Sriram V. Pemmaraju, and Philip Polgreen, ALENEX 2010: 112–123, (Spring 2010).
9. "Navigation in Real-World Complex Networks through Embedding in Latent Spaces," Xiaomeng Ban, Jie Gao, and Arnout van de Rijt, ALENEX 2010: 138–148, (Spring 2010).
10. "Engineering a Topological Sorting Algorithm for Massive Graphs," Deepak Ajwani, Adan Cosgaya-Lozano, and Norbert Zeh, ALENEX 2011, (Spring 2011).
11. "$1D$ Vehicle Scheduling with Conflicts," Torsten Gellert and Felix König, ALENEX 2011, (Spring 2011).

- ESA

1. "Online Primal-Dual Algorithms for Covering and Packing Problems," Niv Buchbinder and Seffi Naor, ESA 2005: 689-701, (Fall 2007).
2. "Online Scheduling of Equal-Length Jobs on Parallel Machines," Jihuan Ding, Tom Ebenlendr, Jir Sgall, and Guochuan Zhang ESA 2007: 427–438, (Fall 2007 and Fall 2008).
3. "To Fill or not to Fill: The Gas Station Problem," Samir Khuller, Azarakhsh Malekian, and Julian Mestre, ESA 2007: 534–545, (Fall 2007).
4. "The Alcuin Number of a Graph," Péter Csorba, Cor A. J. Hurkens, and Gerhard J. Woeginger, ESA 2008: 320–331, (Fall 2009).
5. "Selfish Bin Packing," Leah Epstein and Elena Kleiman, ESA 2008: 368–380, (Fall 2009).
6. "On Isolating Points Using Disks," Matt Gibson, Gaurav Kanade, and Kasturi Varadarajan, ESA 2011: 61–69, (Fall 2011).

7. "Maximum Flow in Computer Vision," Andrew V. Goldberg, Sagi Hed, Haim Kaplan, Robert E. Tarjan, and Renato F. Werneck, ESA 2011: 457–468, (Fall 2011).

- WEA-SEA

1. "Finding, Counting and Listing all Triangles in Large Graphs, An Experimental Study," Thomas Schank and Dorothea Wagner, WEA 2005: 606–609, (Fall 2009).
2. "Engineering Algorithms for Approximate Weighted Matching," Jens Maue and Peter Sanders, WEA 2007: 242–255, (Fall 2008).
3. "Experimental Evaluation of an Exact Algorithm for the Orthogonal Art Gallery Problem," Marcelo C. Couto, Cid C. de Souza, and Pedro J. de Rezende, WEA 2008: 101–113, (Fall 2008).
4. "Fast Local search for the Maximum Independent Set Problem," Diogo V. Andrade, Mauricio G. C. Resende, and Renato F. Werneck, WEA 2008: 220–234, (Fall 2008).
5. "Contraction Hierarchies: Faster and Simpler Hierarchical Routing in Road Networks," Robert Geisberger, Peter Sanders, Dominik Schultes, and Daniel Delling, WEA 2008: 319–333, (Fall 2008).
6. "Speed Dating - An Algorithmic Case Study Involving Matching and Scheduling," Bastian Katz, Ignaz Rutter, Ben Strasser, and Dorothea Wagner, SEA 2011: 292–303, (Fall 2011).

- STOC

1. "Learning with Attribute Costs," Haim Kaplan, Eyal Kushilevitz, and Yishay Mansour, STOC 2005: 356–365, (Fall 2007).
2. "The Santa Claus Problem,", Nikhil Bansal and Maxim Sviridenko, STOC 2006: 31–40, (Spring 2010).
3. "Fixed-Parameter Tractability of Multicut Parameterized by the Size of the Cutset," Dániel Marx and Igor Razgon, STOC 2011: 469–478, (Spring 2011).

- SIROCCO

1. "Fast Periodic Graph Exploration with Constant Memory," Leszek Gasieniec, Ralf Klasing, Russell A. Martin, Alfredo Navarra, and Xiaohui Zhang, SIROCCO 2007: 26–40, (Spring 2007).
2. "Labeling Schemes with Queries," Amos Korman and Shay Kutten, SIROCCO 2007: 109–123, (Fall 2010).
3. "A Continuous, Local Strategy for Constructing a Short Chain of Mobile Robots," Bastian Degener, Barbara Kempkes, Peter Kling, and Friedhelm Meyer auf der Heide, SIROCCO 2010, (Fall 2010).

- FUN

1. "The Ferry Cover Problem," Michael Lampis and Valia Mitsou, FUN 2007: 227–239, (Fall 2007).
2. "Using Cell Phone Keyboards is (NP) Hard," Peter Boothe, FUN 2010: 53–67, (Fall 2011).
3. "The Feline Josephus Problem," Frank Ruskey and Aaron Williams, FUN 2010: 343–354, (Fall 2011).

- INFOCOM

1. "Fault-Tolerant Relay Node Placement in Wireless Sensor Networks: Problems and Algorithms," Weiyi Zhang, Guoliang Xue, and Satyajayant Misra, INFOCOM 2007: 1649–1657, (Spring 2008).
2. "Paging Mobile Users Efficiently and Optimally," Amotz Bar-Noy, Yi Feng, and Mordecai J. Golin, INFOCOM 2007: 1910–1918, (Spring 2007).

3. "Non-Adaptive Fault Diagnosis for All-Optical Networks via Combinatorial Group Testing on Graphs," Nicholas J. A. Harvey, Mihai Patrascu, Yonggang Wen, Sergey Yekhanin, and Vincent W. S. Chan, INFOCOM 2007: 697–705, (Fall 2009).

- ICALP

1. "Algorithms for Secretary Problems on Graphs and Hypergraphs," Nitish Korula and Martin Pal, ICALP 2009: 508-520, (Fall 2008).
2. "Domination When the Stars Are Out," Danny Hermelin, Matthias Mnich, Erik Jan van Leeuwen, and Gerhard Woeginger, ICALP 2011: 462–473, (Fall 2011).

- LATIN

1. "Customized Newspaper Broadcast: Data Broadcast with Dependencies," Julien Robert and Nicolas Schabanel, LATIN 2006: 362–373, (Spring 2007).
2. "Geometric Aspects of Online Packet Buffering: An optimal Randomized Algorithm for Two Buffers," Marcin Bienkowski and Aleksander Madry, LATIN 2008: 252–263, (Fall 2008).

- SoCG

1. "Guard Placement For Wireless Localization," David Eppstein, Michael T. Goodrich, and Nodari Sitchinava, SoCG 2007: 27–36, (Spring 2010).
2. "Minimum Manhattan Network is NP-Complete," Francis Y. L. Chin, Zeyu Guo, and He Sun, SoCG 2009: 393–402, (Fall 2009).

- STACS

1. "A Cubic Kernel for Feedback Vertex Set," Hans L. Bodlaender, STACS 2007: 320–331, (Spring 2009).
2. "Rent, Lease or Buy: Randomized Algorithms for Multislope Ski Rental," Zvi Lotker , Boaz Patt-Shamir , and Dror Rawitz, STACS 2008: 503–514, (Spring 2008).

- MOBICOM

1. "Revisiting the TTL-based Controlled Flooding Search: Optimality and Randomization," Nicholas Chang and Mingyan Liu, MOBICOM 2004: 85–99,(Spring 2009).
2. "An approximation algorithm for conflict-aware broadcast scheduling in wireless ad hoc networks," Reza Mahjourian, Feng Chen, Ravi Tiwari, My Thai, Hongqiang Zhai, and Yuguang Fang, MOBICOM 2008: 331–340, (Fall 2008).

- AAAI

1. "Physical Search Problems Applying Economic Search Models," Yonatan Aumann, Noam Hazon, Sarit Kraus, and David Sarne, AAAI 2008: 9–16, (Spring 2009).
2. "Fixing a tournament," Virginia Vassilevska Williams, AAAI 2010, (Fall 2010).

- EC

1. "Clearing Algorithms for Barter Exchange Markets: Enabling Nationwide Kidney Exchanges," David Abraham, Avrim Blum, and Tuomas Sandholm, EC 2007: 295–304, (Fall 2007).
2. "Mechanisms for Multi Unit Auctions," Shahar Dobzinski and Noam Nisan, EC 2007: 346–351, (Fall 2011).

- MASS

    1. "Multi-Channel Scheduling Algorithms for Fast Aggregated Convergecast in Sensor Networks," Amitabha Ghosh, Özlem Durmaz Incel, V.S. Anil Kumar, and Bhaskar Krishnamachari, MASS 2009, (Fall 2009).
    2. "Maximizing Data Gathering Capacity of Wireless Sensor Networks using Mobile Relays," Fatme El-Moukaddem, Eric Torng, and Guoliang Xing, MASS 2010, (Fall 2010).

- FOCS

    1. "Non-Preemptive Min-Sum Scheduling with Resource Augmentation," Nikhil Bansal, Ho-Leung Chan, Rohit Khandekar, Kirk Pruhs, Baruch Schieber, and Cliff Stein, FOCS 2007: 614–624, (Fall 2007).

- PODC

    1. "Online Set Packing and Competitive Scheduling of Multi-Part Tasks," Yuval Emek, Magnús M. Halldórsson, Yishay Mansour, Boaz Patt-Shamir, Jaikumar Radhakrishnan, and Dror Rawitz, PODC 2010: 440–449, (Fall 2011).

- SPAA

    1. "Broadcasting on Networks of Workstations," Samir Khuller, Yoo-Ah Kim, and Yung-Chun (Justin) Wan, SPAA 2005: 279–288, (Spring 2008).

- SWAT

    1. "Optimally Competitive List Batching," Wolfgang W. Bein, Leah Epstein, Lawrence L. Larmore, and John Noga, SWAT 2004: 77–89, (Spring 2009).

- WADS

    1. "Connecting a Set of Circles with Minimum Sum of Radii," Erin Wolf Chambers, Sándor P. Fekete, Hella-Franziska Hoffmann, Dimitri Marinakis, Joseph S.B. Mitchell, Venkatesh Srinivasan, Ulrike Stege, and Sue Whitesides, WADS 2011: 183–194, (Fall 2011).

- ISAAC

    1. "How to Guard a Graph?" Fedor V. Fomin, Petr A. Golovach, Alex Hall, Matus Mihalak, Elias Vicari, and Peter Widmayer, ISAAC 2008: 318–329, (Spring 2009).

- Other Conferences

    1. "On the Competitiveness of On-Line Scheduling of Unit-Length Packets with Hard Deadlines in Slotted Time," Bruce E. Hajek, Conference on Information Sciences and Systems, The Johns Hopkins University, 2001, (Fall 2007).
    2. "The Fragment Assembly String Graph," Eugene W. Myers, European Conference on Computational Biology (Madrid, Spain, 2005), 79–85, (Spring 2009).
    3. "Logic, Graphs, and Algorithms," Martin Grohe, ECCC 2007: 14(091), (Fall 2009).
    4. "Studying (Non-Planar) Road Networks Through an Algorithmic Lens," David Eppstein and Michael T. Goodrich, SIGSPATIAL 2008, (Fall 2008).
    5. "Computation of Perfect DCJ Rearrangement Scenarios with Linear and Circular Chromosomes," Sèverine Bérard, Annie Chateau, Cedric Chauve, Christophe Paul, and Eric Tannier, RECOMB-CG 2008: 158–169, (Fall 2009).

6. "Quincy: Fair Scheduling for Distributed Computing Clusters," Michael Isard, Vijayan Prabhakaran, Jon Currey, Udi Wieder, Kunal Talwar and Andrew Goldberg, SOSP 2009: 261–276, (Fall 2009).
7. "Quincy: Manipulating Tournaments in Cup and Round Robin Competitions," Tyrel Russell and Toby Walsh, ADT 2009: 26–37, (Fall 2010).
8. "Fair Seeding in Knockout Tournaments," Thuc Vu and Yoav Shoham, AAMAS 2010: 1579–1580, (Fall 2010).
9. "On Minimizing the Sum of Sensor Movements for Barrier Coverage of a Line Segment," Jurek Czyzowicz, Evangelos Kranakis, Danny Krizanc, Ioannis Lambadaris, Lata Narayanan, Jaroslav Opatrny, Ladislav Stacho, Jorge Urrutia, and Mohammadreza Yazdani, ADHOCNOW 2010: 29–42, (Spring 2011).

Journals

- SICOMP
  1. "Worst-Case Analysis of a Placement Algorithm Related to Storage," Ashok K. Chandra and C. K. Wong, SIAM Journal on Computing (SICOMP), 4(3):249–263, 1975, (Spring 2008).
  2. "Incremental String Comparison," Gad M. Landau, Eugene W. Myers, and Jeanette P. Schmidt, SIAM Journal on Computing (SICOMP), 27(2):557–582, 1998, (Fall 2008).
  3. "Approximating the Throughput of Multiple Machines in Real-Time Scheduling," Amotz bar-Noy, Sudipto Goha, Joseph (Seffi) Naor, and Baruch Scieber, SIAM Journal on Computing (SICOMP), 31(2):331–352, 2001, (Spring 2009).
  4. "A Polynomial Time Approximation Scheme for the Multiple Knapsack Problem," Chandra Chekuri and Sanjeev Khanna, SIAM Journal on Computing (SICOMP), 35(3):713-728, 2005, (Spring 2010).
- JACM
  1. "A Unified Approach to Approximating Resource Allocation and Scheduling," Amotz Bar-Noy, Reuven Bar-Yehuda, Ari Freund, Joseph (Seffi) Naor, and Baruch Schieber, JACM, 48(5):1069–1090, 2001, (Fall 2010).
  2. "AdWords and Generalized Online Matching," Aranyak Mehta, Amin Saberi, Umesh Vazirani, and Vijay Vazirani, JACM, 54(5), 2007, (Spring 2007 and Spring 2009).
- TCS
  1. "Finding Approximate Repetitions Under Hamming Distance," Roman Kolpakov and Gregory Kucherov, Theoretical Computer Science (TCS), 303(1):135–156, 2003, (Spring 2009).
  2. "Exponential Inapproximability and FPTAS for Scheduling with Availability Constraints," Bin Fu, Yumei Huo, and Hairong Zhao, Theoretical Computer Science (TCS), 410(27-29):2663–2674, 2009, (Spring 2010).
- Discrete and Computational Geometry
  1. "Almost Optimal Set Covers in Finite VC-Dimensions," Herve Bronnimann and Michael T. Goodrich, Discrete and Computational Geometry: 14(4):463–479, 1995, (Spring 2011).
  2. "Computing the Shortest Essential Cycle," Jeff Erickson and Pratik Worah, Discrete and Computational Geometry, 44(4): 912–930, 2010, (Fall 2011).
- Other Journals

1. "Bounds on Multiprocessing Timing Anomalies," Ron Graham, SIAM Journal on Applied Mathematics, 17(2):416–429, 1969, (Spring 2008).
2. "One for the Price of Two: a Unified Approach for Approximating Covering Problems," Reuven Bar-Yehuda, Algorithmica, 27(2):131–144, 2000, (Fall 2010).
3. "Movement-Assisted Sensor Deployment," Guiling Wang, Guohong Cao, and Thomas F. La Porta, IEEE Transactions on Mobile Computing (TMC), 5(6):640-652, 2006, (Spring 2010).
4. "Combinatorial Optimization on Graphs of Bounded Treewidth," Hans L. Bodlaender and Arie M. C. A. Koster, Computer Journal, 51(3):255–269, 2008, (Fall 2009).
5. "Matching Point Sets with Respect to the Earth Movers Distance," Sergio Cabello, Panos Giannopoulos, Christian Knauer, and Günter Rote, Computational Geometry: 39:118-133, 2008, (Fall 2009).
6. "Escaping Offline Searchers and Isoperimetric Theorems," Peter Brass, Kyue D. Kim, Hyeon-Suk Nab, and Chan-Su Shin, Computational Geometry Theory and Applications, 119–126, 2008, (Fall 2010).
7. "On the Approximation of Optimal Structures for RNA-RNA Interaction," Saad Mneimneh, IEEE transactions on Computational Biology and Bioinformatics, 4:682–688, 2009, (Spring 2008).
8. "Target Tracking with Binary Proximity Sensor," Nisheeth Shrivastava, Raghuraman Mudumbai, Upamanyu Madhow, and Subhash Suri, IEEE Transactions on Sensor Networks (TOSN), 5(4), 2009, (Spring 2011).

Other Publications

1. "Combinatorial explorations in Su-Doku," Jean-Marie Chauvet, (Fall 2008).
2. "Bounded Delay Packet Scheduling in a Bounded Buffer," Stanley P. Y. Fung, CoRR abs/0907.2741: (2009), (Fall 2009).
3. "Vector Bin Packing with Multiple-Choice," Boaz Patt-Shamir and Dror Rawitz, CoRR abs/0910.5599: (2009), (Fall 2009).
4. "An Approximation Algorithm for the Traveling Tournament Problem," Ryuhei Miyashiro, Tomomi Matsui, and Shinji Imahori, http://www.keisu.t.u-tokyo.ac.jp/research/techrep/data/2008/METR08-42.pdf, (Fall 2010).